

SEQUENCE LISTING

<110> Misra, Santosh

<120> PLANT-GENE PROMOTER AND METHODS OF USING THE SAME

<130> 54358

<140>

<141>

<160> 28

<170> PatentIn Ver. 2.1

<210> 1

<211> 6

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<213> Artificial Sequence

<220>

<221> variation

<222> (3)..(4)

<223> N = A, C, G, or T

<220>

<223> Description of Artificial Sequence: PROMOTER
ELEMENT

<400> 1

canntg

6

<210> 2

<211> 6

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PROMOTER
ELEMENT

<400> 2

gcatgc

6

<210> 3

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PROMOTER
ELEMENT

<400> 3

aaaaattaat atttaatggt aatattaat

29

<210> 4

008780"031800

<211> 4
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 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: PROMOTER
 ELEMENT

 <400> 4
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4

<210> 5
 <211> 9
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<220>
 <221> variation
 <222> (3)..(4)
 <223> N = A, C, G, and T

<220>
 <223> Description of Artificial Sequence: PROMOTER
 ELEMENT

<400> 5
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9

<210> 6
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<220>
 <223> Description of Artificial Sequence: PROMOTER
 ELEMENT

<400> 6
 aagattcctc taa

13

<210> 7
 <211> 10
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 <213> Artificial Sequence

<220>
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 ELEMENT

<400> 7
 gttgttgaga

10

<210> 8
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: PROMOTER
 ELEMENT

<400> 8
 tata

4

<210> 9
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: PROMOTER
 ELEMENT

<400> 9
 caat

4

<210> 10
 <211> 2322
 <212> DNA
 <213> Pseudotsuga menziesii

<400> 10
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 aagatccttt gaggttttta tttggaagat gatttgaagt tttcactaaa taattgatat 180
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caagaaactt ctgcatgcaa cacatgcctt cttcacacct accaagaaac ttctaggtgt 2220
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<210> 11
 <211> 207
 <212> DNA
 <213> Pseudotsuga menziesii

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<400> 11
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ggcttcgact acgagatgga aactgtggct gctgagaacg gctgcaaadc cggagcaagc 180
tccaagtact ccaaccgctg caactga 207

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<210> 12
 <211> 968
 <212> DNA
 <213> Pseudotsuga menziesii

<220>
 <221> promoter
 <222> (1)..(856)

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<400> 12
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cacaagctga aacaatgcag tgtgcatgcc ttatgttaac acctgcctag aacttctact 960
aggaattc 968

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<210> 13
 <211> 68
 <212> PRT
 <213> Pseudotsuga menziesii

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<400> 13
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      20             25             30
Asp Tyr Asn Met Asn Met Ser Phe Gly Phe Asp Tyr Glu Met Glu Thr

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35

40

45

Val Ala Ala Glu Asn Gly Cys Lys Ser Gly Ala Ser Ser Lys Tyr Ser
 50 55 60

Asn Arg Cys Asn
 65

<210> 14
 <211> 9
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: PROMOTER
 ELEMENT

<400> 14
 ttcgcatc 9

<210> 15
 <211> 9
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: PROMOTER
 ELEMENT

<400> 15
 tttatcatc 9

<210> 16
 <211> 13
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: PROMOTER
 ELEMENT

<400> 16
 cgaaagagca atg 13

<210> 17
 <211> 853
 <212> DNA
 <213> Pseudotsuga menziesii

<400> 17
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 aagatccttt gaggttttta ttggaagat gatttgaagt tttcactaaa taattgatat 180
 gatgataatg acaaagataa tagttactac attgaaacca attttagttt aataatttct 240
 taaaaaata taagcccaa tctaattttg aaatttgaaa gatatatgat tattcaacct 300
 aaagagataa gataagatcc aactccttcg agtgcttttg gtgacataaa tatagggttt 360
 atccatttgc gacgatgata tacaatggac gatccagaaa gttccctata aaatgaggat 420

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cctgtcccac ttcgatgaga ttccaccacg tgtcttgcg ctttcattgt tgtttgatt 780
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ctgctcttct tct 853

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<210> 18
<211> 6
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: PROMOTER
ELEMENT

```

```

<400> 18
aacgtt 6

```

```

<210> 19
<211> 6
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence: PROMOTER
ELEMENT

```

```

<400> 19
cacgtg 6

```

```

<210> 20
<211> 8
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: PROMOTER
ELEMENT

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<220>
<221> variation
<222> (1)..(8)
<223> W = A OR T

```

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<400> 20
awttcaaa 8

```

```

<210> 21
<211> 7
<212> DNA
<213> Artificial Sequence

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<220>
<221> variation

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008T80"045T4960

<222> (1)..(7)
<223> n = a, t, c, or g

<220>
<221> variation
<222> (1)..(7)
<223> r = g or a

<220>
<223> Description of Artificial Sequence: PROMOTER
ELEMENT

<400> 21
tgcrnc

7

<210> 22
<211> 944
<212> DNA
<213> Pseudotsuga menziesii

<400> 22
cccctagaga gttctgaatg atccagaaag tttagtatga aaatgagcaa tcccacaatt 60
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aagatccttt gaggttttta tttggaagat gatttgaagt tttcactaaa taattgatat 180
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<210> 23
<211> 765
<212> DNA
<213> Pseudotsuga menziesii

<400> 23
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gctgctcttc ttctcaacaa tcaaagcaaa atcagagaga attctgtgta ttgcggtttc 720
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<210> 24
 <211> 547
 <212> DNA
 <213> Pseudotsuga menziesii

<400> 24
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 ccacttcgaa gagattccac cggcgtctt gcgcctttca ttgttggttt ggattctcat 180
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 tgcaaac 547

<210> 25
 <211> 278
 <212> DNA
 <213> Pseudotsuga menziesii

<400> 25
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<210> 26
 <211> 150
 <212> DNA
 <213> Pseudotsuga menziesii

<400> 26
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<210> 27
 <211> 150
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 <213> Pseudotsuga menziesii

<400> 27
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 gctcttcttc tcaacaatca aagcaaaatc 150

<210> 28
 <211> 19
 <212> DNA
 <213> Pseudotsuga menziesii

<400> 28
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